

## IN THE CLAIMS

Please amend the claims as follows.

- 1 1. (Currently Amended) An apparatus comprising:
  - 2 at least one processor;
  - 3 a memory coupled to the at least one processor;
  - 4 a plurality of logical partitions defined on the apparatus;
  - 5 a partition manager residing in the memory and executed by the at least one
  - 6 processor, the partition manager managing the plurality of logical partitions and executing
  - 7 separately from the plurality of logical partitions, the partition manager comprising:
    - 8 an I/O reconfiguration mechanism that reconfigures identified I/O; and
    - 9 a logical partition suspend/resume mechanism that suspends at least one of
    - 10 the plurality of logical partitions before the I/O reconfiguration mechanism
    - 11 reconfigures the identified I/O by inhibiting dispatch of tasks to the at least one
    - 12 logical partition ~~without notifying the at least one logical partition~~ and waiting
    - 13 until all pending tasks in the at least one logical partition are complete, and that
    - 14 resumes all suspended logical partitions after the I/O reconfiguration mechanism
    - 15 reconfigures the identified I/O by enabling dispatch of tasks to the at least one
    - 16 logical partition.
- 1 2. (Original) The apparatus of claim 1 wherein the logical partition suspend/resume
- 2 mechanism suspends all of the plurality of logical partitions.
- 1 3. (Original) The apparatus of claim 1 wherein the logical partition suspend/resume
- 2 mechanism suspends only the logical partitions that own the identified I/O.

1 4 (Currently Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a plurality of logical partitions defined on the apparatus; and  
5 a partition manager residing in the memory and executed by the at least one  
6 processor and executing separately from the plurality of logical partitions, the partition  
7 manager performing the steps of:  
8 (1) detecting when identified I/O requires reconfiguration;  
9 (2) suspending at least one of the plurality of logical partitions by  
10 inhibiting dispatch of tasks to the at least one logical partition ~~without notifying~~  
11 ~~the at least one logical partition~~ and waiting until all pending tasks in the at least  
12 one logical partition are complete;  
13 (3) reconfiguring the identified I/O; and  
14 (4) resuming all logical partitions suspended in step (2) by enabling  
15 dispatch of tasks to all logical partitions suspended in step (2).

1 5. (Currently Amended) An apparatus comprising:  
2 at least one processor;  
3 a memory coupled to the at least one processor;  
4 a plurality of logical partitions defined on the apparatus;  
5 a partition manager residing in the memory and executed by the at least one  
6 processor and executing separately from the plurality of logical partitions, the partition  
7 manager performing the steps of:  
8 (1) quiescing identified I/O;  
9 (2) suspending at least one of the plurality of logical partitions that owns at  
10 least a portion of the identified I/O by inhibiting dispatch of tasks to the at least  
11 one logical partition ~~without notifying the at least one logical partition~~ and waiting  
12 until all pending tasks in the at least one logical partition are complete;  
13 (3) reconfiguring the identified I/O;  
14 (4) enabling the reconfigured identified I/O; and  
15 (5) resuming all logical partitions suspended in step (2) by enabling  
16 dispatch of tasks to all logical partitions suspended in step (2).

1 6. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the method  
4 comprising the steps of:  
5 (1) the partition manager suspending at least one of the plurality of logical  
6 partitions by inhibiting dispatch of tasks to the at least one logical partition ~~without~~  
7 ~~notifying the at least one logical partition~~ and waiting until all pending tasks in the at least  
8 one logical partition are complete;  
9 (2) the partition manager reconfiguring the identified I/O; and  
10 (3) the partition manager resuming all logical partitions suspended in step (1) by  
11 enabling dispatch of tasks to all logical partitions suspended in step (1).

1 7. (Original) The method of claim 6 wherein step (1) comprises the step of suspending  
2 all of the plurality of logical partitions.

1 8. (Original) The method of claim 6 wherein step (1) comprises the step of suspending  
2 only the logical partitions that own the identified I/O.

1 9. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the method  
4 comprising the steps of:  
5 (1) the partition manager detecting when the identified I/O requires  
6 reconfiguration;  
7 (2) the partition manager suspending at least one of the plurality of logical  
8 partitions by inhibiting dispatch of tasks to the at least one logical partition ~~without~~  
9 ~~notifying the at least one logical partition~~ and waiting until all pending tasks in the at least  
10 one logical partition are complete;  
11 (3) the partition manager reconfiguring the identified I/O; and  
12 (4) the partition manager resuming all logical partitions suspended in step (2) by  
13 enabling dispatch of tasks to all logical partitions suspended in step (2).

1 10. (Currently Amended) A computer-implemented method for reconfiguring identified  
2 I/O in a computer system that includes a plurality of logical partitions managed by a  
3 partition manager executing separately from the plurality of logical partitions, the method  
4 comprising the steps of:  
5 (1) the partition manager quiescing identified I/O;  
6 (2) the partition manager suspending at least one of the plurality of logical  
7 partitions that owns at least a portion of the identified I/O by inhibiting dispatch of tasks  
8 to the at least one logical partition ~~without notifying the at least one logical partition~~ and  
9 waiting until all pending tasks in the at least one logical partition are complete;  
10 (3) the partition manager reconfiguring the identified I/O;  
11 (4) the partition manager enabling the reconfigured identified I/O; and  
12 (5) the partition manager resuming all logical partitions suspended in step (2) by  
13 enabling dispatch of tasks to all logical partitions suspended in step (2).

1 11. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions,  
3 the partition manager comprising a logical partition suspend/resume mechanism that  
4 suspends at least one of ~~[[a]]~~ the plurality of logical partitions before identified I/O is  
5 reconfigured by inhibiting dispatch of tasks to the at least one logical partition ~~without~~  
6 ~~notifying the at least one logical partition~~ and waiting until all pending tasks in the at least  
7 one logical partition are complete, the logical partition suspend/resume mechanism  
8 resuming all suspended logical partitions after the identified I/O is reconfigured by  
9 enabling dispatch of tasks to the at least one logical partition; and  
10 (B) recordable media bearing the ~~logical partition suspend/resume mechanism~~  
11 partition manager.

1 12. (Cancelled)

1 13. (Cancelled)

1 14. (Original) The program product of claim 11 wherein the logical partition  
2 suspend/resume mechanism suspends all of the plurality of logical partitions.

1 15. (Original) The program product of claim 11 wherein the logical partition  
2 suspend/resume mechanism suspends only the logical partitions that own the identified  
3 I/O.

1 16. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions  
3 that performs the steps of:  
4 (1) detecting when identified I/O requires reconfiguration;  
5 (2) suspending at least one of ~~[[a]]~~ the plurality of logical partitions by  
6 inhibiting dispatch of tasks to the at least one logical partition ~~without notifying~~  
7 ~~the at least one logical partition~~ and waiting until all pending tasks in the at least  
8 one logical partition are complete;  
9 (3) reconfiguring the identified I/O; and  
10 (4) resuming all logical partitions suspended in step (2) by enabling  
11 dispatch of tasks to all logical partitions suspended in step (2); and  
12 (B) recordable media bearing the partition manager.

1 17. (Cancelled)

1 18. (Cancelled)

1 19. (Currently Amended) A program product comprising:  
2 (A) a partition manager executing separately from a plurality of logical partitions  
3 that performs the steps of:  
4 (1) quiescing identified I/O;  
5 (2) suspending at least one of ~~[[a]]~~ the plurality of logical partitions that  
6 owns at least a portion of the identified I/O by inhibiting dispatch of tasks to the at  
7 least one logical partition ~~without notifying the at least one logical partition~~ and  
8 waiting until all pending tasks in the at least one logical partition are complete;  
9 (3) reconfiguring the identified I/O;  
10 (4) enabling the reconfigured identified I/O; and  
11 (5) resuming all logical partitions suspended in step (2) by enabling  
12 dispatch of tasks to all logical partitions suspended in step (2); and  
13 (B) recordable media bearing the partition manager.

1 20. (Cancelled)

1 21. (Cancelled)